

# OPERATING INSTRUCTIONS

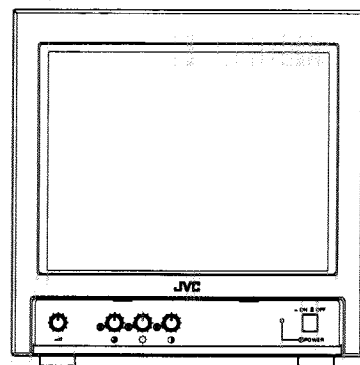
# JVC

TM-A10E-K COLOUR VIDEO MONITOR

COLOUR VIDEO MONITOR

## TM-A10E-K

## INSTRUCTIONS



TM-A10E-K

# JVC

VICTOR COMPANY OF JAPAN, LIMITED

CC40254-001  
0396-K-U-VP

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Thank you for purchasing this JVC colour video monitor. Before using it, read and follow all instructions carefully to take fullest advantage of the monitor's performance.

## SAFETY PRECAUTIONS

In order to prevent any fatal accidents caused by misoperation or mishandling of the monitor, be fully aware of all the following precautions.

Machine Noise Information Ordinance 3. GSGV, January 18, 1991: The sound pressure level at the operator position is equal or less than 70 dB(A) according to ISO 7779.

### WARNINGS

To prevent fire or shock hazard, do not expose this monitor to rain or moisture.  
Dangerous high voltages are present inside the unit. Do not remove the cover.  
When servicing the monitor, contact qualified service personnel. Never try to service it yourself.

### PRECAUTIONS

- Use only the power source specified on the unit.
- When not using this unit for a long period of time, or when cleaning it, be sure to disconnect the power plug from the AC outlet.
- Do not allow anything to rest on the power cord. And do not place this unit where people will tread on the cord. Do not overload wall outlets or power cords as this can result in a fire or electric shock.
- Avoid using this unit under the following conditions:
  - in extremely hot, cold or humid places,
  - in dusty places,
  - near appliances generating strong magnetic fields,
  - in places subject to direct sunlight,
  - in badly ventilated places,
  - in automobiles with doors closed.
- Do not cover the ventilation slots while in operation as this could obstruct the required ventilation flow.
- When dust accumulates on the screen surface, clean it with a soft cloth.
- Unplug this unit from the AC outlet and refer servicing to qualified service personnel under the following conditions:
  - when the power cord is frayed or the plug is damaged,
  - if liquid has been spilled into the unit,
  - if the unit has been dropped or the cabinet has been damaged,
  - when the unit exhibits a distinct change in performance.
- Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Always refer servicing to qualified service personnel.
- When replacement parts are required, have the service personnel verify in writing that the replacement parts he/she uses have the same safety characteristics as the original parts. Use of manufacturer's specified replacement parts can prevent fire, shock, or other hazards.
- Upon completion of any servicing or repair work to this unit, please ask the service personnel to perform the safety check described in the manufacturer's service literature.
- When this unit reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask qualified service personnel to dispose of this unit.

### SCREEN BURN

- It is not recommended to keep a certain still image displayed on screen for a long time as well as displaying extremely bright images on screen. This may cause a burning (sticking) phenomenon on the screen of cathode-ray tube. This problem does not occur as far as displaying normal video playback motion images.

### WARNING

**DO NOT cut off the mains plug from this equipment.** If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or adaptor or consult your dealer.

If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not provided with a mains plug, or one has to be fitted, then follow the instruction given below:

### IMPORTANT.

The wires in the mains lead on this product are coloured in accordance with the following code:

Green-and-yellow	: Earth
Blue	: Neutral
Brown	: Live

As these colours may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows:

The wire which is coloured green-and-yellow must be connected to the terminal which is marked with the letter E or the safety earth symbol  $\perp$  or coloured green or green-and-yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

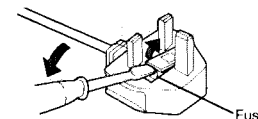
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

When replacing the fuse, be sure to use only a correctly rated approved type, and re-fit the fuse cover.

### IF IN DOUBT — CONSULT A COMPETENT ELECTRICIAN.

#### How To Replace The Fuse

Open the fuse compartment with the blade screwdriver, and replace the fuse.



## FEATURES

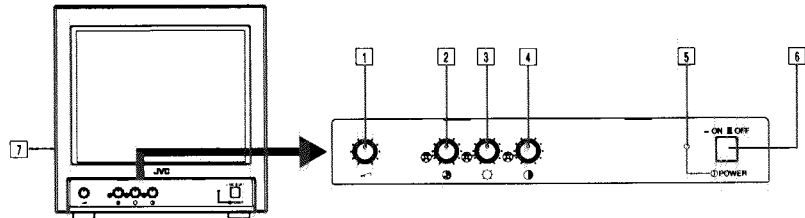
- 25 cm TV-grade cathode-ray tube
- Horizontal resolution of 280 TV lines or more
- Professional metal cabinet design
- Bridge-connectable input terminals (1 line for video, 1 line for audio)

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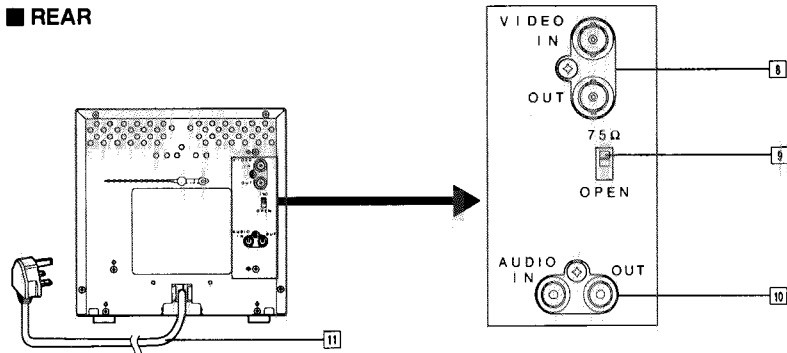
## CONTROLS AND FEATURES

### FRONT



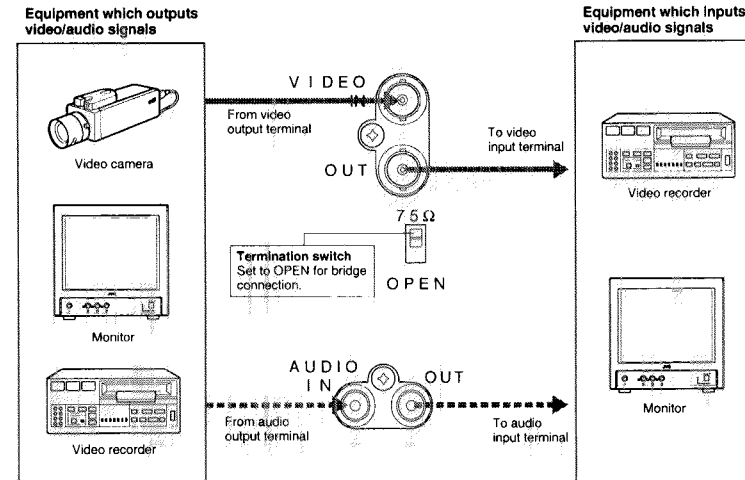
- 1 Volume (  $\curvearrowright$  ) control**  
Turn to adjust speaker volume.
- 2 Chroma (  $\odot$  ) control**  
Turn to adjust picture colour density according to your requirements.
- 3 Brightness (  $\odot$  ) control**  
Turn to adjust picture brightness according to your requirements.
- 4 Contrast (  $\odot$  ) control**  
Turn to adjust picture contrast according to your requirements.
- 5 Power Indicator**  
Glow to indicate that power is on.
- 6 POWER (  $\text{I}$  ) switch**  
Press to turn the power on or off.
- 7 Speaker**  
The built-in speaker is located on the side panel.

### REAR



- 8 VIDEO IN (video input), VIDEO OUT (video output) terminals**  
These are the input and output (bridge-connected output) terminals (BNC) for the video signal. When a signal is input through the IN terminal, a bridge-connected (looping) output can be obtained from the OUT terminal.  
**Note:**  
• Confirm if the termination switch setting matches the VIDEO terminal connection.
- 9 Termination switch**  
Set to OPEN for bridge connection; set to 75 $\Omega$  for input signal only.
- 10 AUDIO IN (audio input), AUDIO OUT (audio output) terminals**  
These are the input and output (bridge-connected output) terminals (RCA) for the audio signal. When a signal is input through the IN terminal, a bridge-connected (looping) output can be obtained from the OUT terminal.
- 11 Power cord**  
Connect the power plug to an AC outlet (230 V AC, 50 Hz).  
**Note:**  
• The monitor may be equipped with a 3-blade ground-type plug. If you are unable to insert the plug into the outlet, contact your electrician.

## CONNECTION EXAMPLE



### Note:

- The illustration above only shows some possible connection examples, for reference. Terminal types and/or connections may differ according to the component connected. Also refer to the Instruction Manual of the component to be connected.
- Before connecting, be sure to turn off the power of all the components.
- For video signal connection, use only a 75 $\Omega$  coaxial cable.
- Input and output terminals for video or audio are bridge-connected. Do not apply two input signals to both (input and output) terminals at the same time.
- For a bridge (loop) connection, connect each of input and output terminals on the monitor to separate video components. For example, if both of them are connected to a video recorder, the picture will shake abnormally except when in the recorder's play mode. This phenomenon occurs due to a signal circulating around inside a certain component, and is not a malfunction.

## BASIC OPERATION

### 1. To turn the power on: Push the POWER ( $\text{I}$ ) switch.

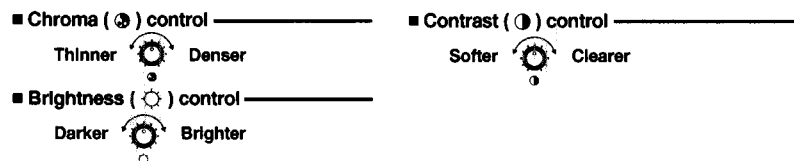
The power indicator glows green. To turn off power, push the POWER (  $\text{I}$  ) switch again, and the power indicator goes off.

### 2. To adjust the audio level:

Turn the volume (  $\curvearrowright$  ) control to the right to increase the level, or to the left to decrease the level.

## PICTURE ADJUSTMENTS

Turn a separate front panel control to adjust picture contrast, picture brightness and picture colour density respectively:



## TROUBLESHOOTING

Before concluding a problem has occurred, check the following points. If the problem persists after carrying out the checks, disconnect the power cord from the AC outlet and consult the dealer from whom you purchased the monitor.

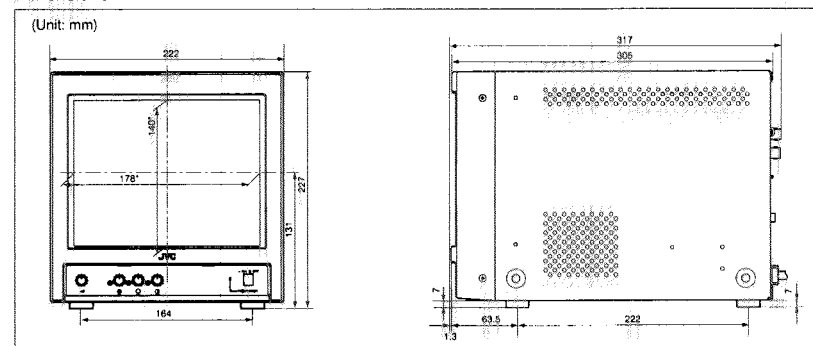
Problems	Points to be checked	Measures
No power supply.	Is the power plug connected to the AC outlet?	Securely connect the power plug to the AC outlet.
No picture or sound.	Is the monitor turned on?	Press the POWER ( ) switch to turn the monitor ON (see pages 4 and 5).
	Is an output signal coming in from a source component?	Perform required settings on the output component.
	Is the cable connected improperly?	Connect both the video/audio signal cables securely and properly (see pages 4 and 5).
Normal picture but no sound.	Is audio level set to the minimum?	Adjust the volume control ( ) (see pages 4 and 5).
	Is the audio signal cable connected improperly?	Connect the audio signal cable securely and properly (see pages 4 and 5).
Normal sound but no picture.	Is the video signal cable disconnected or connected improperly?	Connect the video signal cable securely and properly (see pages 4 and 5).
No colour, wrong colour, or dark picture.	Have the picture settings been changed?	Adjust chroma ( ), brightness ( ), and/or contrast ( ) controls (see pages 4 and 6).
Shaking picture.	Is there a device generating a strong magnetic field (motor, transformer, etc.) near the monitor?	Move it away from the monitor until the picture becomes stable.
Unnatural, irregularly coloured or distorted picture.	Is there a speaker, magnet or any other magnetised object near the monitor?	After moving it away from the monitor, turn the monitor's power off. After 30 minutes or more, turn the power on again.

## SPECIFICATIONS

Type	: Colour video monitor	Audio power output (effective)	: 1 W (monaural)
Colour system	: PAL	Built-in speaker	: 8 cm round x 1, 8Ω
Picture tube	: 25 cm measured diagonally, 90° deflection, in-line gun, vertical stripe phosphor pitch 0.5 mm	Operation temperature	: 0 – 40 °C (20 – 80 % RH)
Screen size (W x H)	: 173 x 136 mm	Power requirements	: 230 V AC, 50 Hz
Scanning frequency	: (H) 15.625 kHz (V) 50 Hz	Power consumption	: 0.33 A
Horizontal resolution	: 280 TV lines or more	Dimensions (W x H x D)	: 222 x 227 x 317 mm
Video input	: 1 line; BNC x 2 (with 1 bridge-connected output), 1.0 V p-p, 75Ω, negative sync, bridge connection possible (termination switch provided)	Weight	: 7.0 kg
Audio input	: 1 line (monaural), RCA x 2 (with 1 bridge-connected output), 0.5 V rms, high impedance, bridge connection possible	Optional accessory	: Rack-mount adaptor (RK-10E)

### Dimensions

\* The faceplate dimensions shown are larger than the visible portion of the screen (screen size).



E. & O.E. Design and specifications subject to change without notice.